

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 – 11. (CANCELED)

12. (CURRENTLY AMENDED) A method for increasing the sucrose content and/or ascorbic acid content of fruits of a plant of the genus *Capsicum*, the method comprising:
- a. obtaining a first parent plant of the genus *Capsicum*, wherein said first parent plant is designated Evergreen 7181 or Evergreen 6203 and has a recessive *cl* allele in combination with an allele having an allele with a deletion, rearrangement or mutation in the gene encoding the enzyme capsanthin-capsorubin synthase, said allele designated *y*;
 - b. obtaining a second parent plant of the genus *Capsicum* ~~having a recessive *cl* allele;~~
 - c. crossing said first parent and said second parent and obtaining at least one resultant F₁ offspring plant with the genotype *Yy;Clcl*;
 - d. selfing or intercrossing said F₁ plants to produce at least one plant of the genus *Capsicum* having two recessive *y* alleles with a deletion, rearrangement or mutation in the gene encoding the enzyme capsanthin-capsorubin synthase in combination with two recessive *cl* alleles, said at least one plant having ripe green fruit with a sucrose content between 1.3 and 3.1 times higher than the sucrose content of ripe fruits of a plant of the genus *Capsicum* having at least one dominant *CL* allele greater than 5.0 grams per kilogram fresh weight and or an ascorbic acid content between 1.2 and 1.9 times higher than the ascorbic acid content of ripe fruits of a plant of the genus *Capsicum* having at least one dominant *CL* allele greater than 2.0 grams per kilogram fresh weight;
- wherein a representative of sample seed of said parent plant designated Evergreen 7181 is deposited under ATCC Accession No. PTA-_____, and wherein a representative of sample seed of said parent plant designated Evergreen 6203 is deposited under ATCC Accession No. PTA-_____.
13. (CANCELED)

14. (CURRENTLY AMENDED) The method according to claim 12, wherein said ~~first~~ second parent plant is selected from the group consisting of *Capsicum annuum*, *Capsicum baccatum*, *Capsicum frutescens*, *Capsicum chinense*, and *Capsicum chacoense*.
15. (CANCELLED)
16. (CANCELLED)
17. (CANCELLED)
18. (CURRENTLY AMENDED) The method according to claim 12, wherein said ripe green fruit of the plant produced in step (d) has a sucrose content ~~[[is]]~~ between 1.3 and 3.1 ~~4-5 times and 2.85 times higher in ripe fruit~~ than the sucrose content of ripe fruits of a plant of the genus *Capsicum*, ~~said plant~~ having at least one dominant *CL* allele.
19. (CURRENTLY AMENDED) The method according to claim 18, wherein the ripe green fruit of the plant produced in step (d) said sucrose has a sucrose content ~~[[is]]~~ between 5.4 grams and 6.2 grams per kilogram fresh weight.
20. (CURRENTLY AMENDED) The method according to claim 18, wherein the ripe green fruit of the plant produced in step (d) said sucrose has a sucrose content ~~[[is]]~~ between 6.2 grams and 6.6 grams per kilogram fresh weight.
21. (CURRENTLY AMENDED) The method according to claim 18, wherein the ripe green fruit of the plant produced in step (d) said sucrose has a sucrose content ~~[[is]]~~ between 6.6 grams and 7.1 grams per kilogram fresh weight.
22. (CANCELED)
23. (CURRENTLY AMENDED) The method according to claim 12, wherein said ripe green fruit of the plant produced in step (d) has an ~~[[the]]~~ ascorbic acid content ~~[[is]]~~ between 1.2 and 1.9 ~~1-3 times and 1.73 times higher in ripe fruit~~ than the ascorbic acid content of ripe fruit of a plant of the genus *Capsicum*, ~~said plant~~ having at least one dominant *CL* allele.
24. (CURRENTLY AMENDED) The method according to claim 23, wherein said ripe green fruit of the plant produced in step (d) has an ~~[[said]]~~ ascorbic acid content ~~[[is]]~~ between 2.1 grams and 2.22 grams per kilogram fresh weight.

25. (CURRENTLY AMENDED) The method according to claim 23, wherein said ripe green fruit of the plant produced in step (d) has an ~~[[said]]~~ ascorbic acid content ~~[[is]]~~ between 2.22 grams and 2.4 grams per kilogram fresh weight.
26. (CURRENTLY AMENDED) The method according to claim 23, wherein said ripe green fruit of the plant produced in step (d) has an ~~[[said]]~~ ascorbic acid content ~~[[is]]~~ between 2.4 grams and 2.5 grams per kilogram fresh weight.
- 27.-30.(CANCELED)
31. (CURRENTLY AMENDED) The method of claim ~~[[29]]~~ 12, wherein said ripe green fruit of the plant produced in step (d) has a ~~[[the]]~~ sucrose content ~~is increased to~~ between 5.4 grams and 7.1 grams per kilogram fresh weight, and ~~[[the]]~~ an ascorbic acid content ~~is increased to~~ between 2.1 grams and 2.5 grams per kilogram fresh weight.
32. (NEW) The method according to claim 12, wherein said ripe green fruit of the plant produced in step (d) has a sucrose content between 1.3 and 3.1 times higher than the sucrose content of ripe fruits of a plant of the genus *Capsicum* having at least one dominant *CL* allele and an ascorbic acid content between 1.2 and 1.9 times higher than the ascorbic acid content of ripe fruits of a plant of the genus *Capsicum* having at least one dominant *CL* allele.
33. (NEW) A seed of pepper plant Evergreen 7181, wherein a representative of sample seed of said plant is deposited under ATCC Accession No. PTA-_____.
34. (NEW) A pepper plant, or a part thereof, produced by growing the seed of claim 33.
35. (NEW) A tissue culture produced from protoplasts or cells from the plant of claim 34, wherein said protoplasts or cells are produced from a plant part selected from the group consisting of leaf, pollen, ovule, embryo, cotyledon, hypocotyl, meristematic cell, root, root tip, pistil, anther, flower, seed, shoot, stem, pod and petiole.
36. (NEW) A pepper plant regenerated from the tissue culture of claim 35.
37. (NEW) A green pepper fruit produced from the plant of claim 34 or 36.
38. (NEW) A seed of pepper plant Evergreen 6203, wherein a representative of sample seed of said plant is deposited under ATCC Accession No. PTA-_____.
39. (NEW) A pepper plant, or a part thereof, produced by growing the seed of claim 38.
40. (NEW) A tissue culture produced from protoplasts or cells from the plant of claim 39, wherein said protoplasts or cells are produced from a plant part selected from the group

consisting of leaf, pollen, ovule, embryo, cotyledon, hypocotyl, meristematic cell, root, root tip, pistil, anther, flower, seed, shoot, stem, pod and petiole.

41. (NEW) A pepper plant regenerated from the tissue culture of claim 40.
42. (NEW) A green pepper fruit produced from the plant of claim 39 or 41.